

NTDB id	Accession	Length	Consensus
1306	DR RS10060 WP 027479822.1	80	MALSI GDRRLCA ILLDQCYLG DNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR
1168	A1552VC RS11070 WP 000957200.1	0	.....
1293	VP RS12240 WP 005479695.1	0	.....
1401	DSB67 RS12665 WP 010643259.1	0	.....
1110	NGFG RS09235 WP 003689817.1	0	.....
1251	GCO85 RS07725 WP 011946523.1	0	.....
22618	PCRYO RS00350 WP 011512444.1	0	.....
1058	ABD1 RS01615 WP 001274986.1	0	.....
1018	ACIAD RS01685 WP 004920473.1	0	.....
consensus			.....

Accession	Sequence	Length
NTDB id 1306 DR RS10060 WP 027479822.1	SIRPQTALNLQAFPPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA	160
NTDB id 1168 A1552VC RS11070 WP 000957200.1		0
NTDB id 1293 VP RS12240 WP 005479695.1		0
NTDB id 1401 DSB67 RS12665 WP 010643259.1		0
NTDB id 1110 NGFG RS09235 WP 003689817.1		0
NTDB id 1251 GC085 RS07725 WP 011946523.1		0
NTDB id 22618 PCRYO RS00350 WP 011512444.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
consensus		0

NTDB id	Accession	Species	Gene	Protein	Consensus
1306	DR	RS10060	WP_027479822.1	GRTGGKLGGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFGHPGEEVLGSM	240
1168	A1552VC	RS11070	WP_000957200.1	.....	0
1293	VP	RS12240	WP_005479695.1	.....	0
1401	DSB67	RS12665	WP_010643259.1	.....	0
1110	NGFG	RS09235	WP_003689817.1	.....	0
1251	GC085	RS07725	WP_011946523.1	.....	0
22618	PCRYO	RS00350	WP_011512444.1	.....	0
1058	ABD1	RS01615	WP_001274986.1	.....	0
1018	ACIAD	RS01685	WP_004920473.1	.....	0
consensus					

NTDB id	Accession	Protein	Sequence	Score
NTDB id 1306	DR RS10060 WP 027479822.1	LRADALRLLAVPVDETEQGVTVLTS DPRKRPDI DAL I GRPVQLMLTRPRDI ER LIEQFYPQGRGR LGEQLVQEGT LSRDQL	320	
NTDB id 1168	A1552VC RS11070 WP 000957200.1	MLTNLVAITLRQAE LISATQ.	19	
NTDB id 1293	VP RS12240 WP 005479695.1	MHSNLTSTILRQKGLLTFSQ.	19	
NTDB id 1401	DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSQ.	19	
NTDB id 1110	NGFG RS09235 WP 003689817.1	MSVGLLRITLVQNQVVTVEQ.	19	
NTDB id 1251	GC085 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTK.	27	
NTDB id 22618	PCRYO RS00350 WP 011512444.1	MSITTSKYGLIAQQLISEGIVSEAH.	25	
NTDB id 1058	ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVS AAT.	27	
NTDB id 1018	ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQN.	27	
consensus			*** *!***** *	

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NTDB id 1306 DR RS10060 WP 027479822.1	REALQVQAREGKVKPLGEVITELGFASPD	400
NTDB id 1168 A1552VC RS11070 WP 000957200.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1293 VP RS12240 WP 005479695.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1401 DSB67 RS12665 WP 010643259.1	REALQVQAREGKVKPLGEVITELGFASPD	69
NTDB id 1110 NGFG RS09235 WP 003689817.1	REALQVQAREGKVKPLGEVITELGFASPD	68
NTDB id 1251 GC085 RS07725 WP 011946523.1	REALQVQAREGKVKPLGEVITELGFASPD	77
NTDB id 22618 PCRYO RS00350 WP 011512444.1	REALQVQAREGKVKPLGEVITELGFASPD	75
NTDB id 1058 ABD1 RS01615 WP 001274986.1	REALQVQAREGKVKPLGEVITELGFASPD	77
NTDB id 1018 ACIAD RS01685 WP 004920473.1	REALQVQAREGKVKPLGEVITELGFASPD	77
consensus	REALQVQAREGKVKPLGEVITELGFASPD	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	DPKVALMIP	478
NTDB id 1168 A1552VC RS11070 WP 000957200.1	DPKVALMIP	149
NTDB id 1293 VP RS12240 WP 005479695.1	DPKVALMIP	149
NTDB id 1401 DSB67 RS12665 WP 010643259.1	DPKVALMIP	149
NTDB id 1110 NGFG RS09235 WP 003689817.1	DPKVALMIP	146
NTDB id 1251 GC085 RS07725 WP 011946523.1	DPKVALMIP	157
NTDB id 22618 PCRYO RS00350 WP 011512444.1	DPKVALMIP	154
NTDB id 1058 ABD1 RS01615 WP 001274986.1	DPKVALMIP	156
NTDB id 1018 ACIAD RS01685 WP 004920473.1	DPKVALMIP	156
consensus	DPKVALMIP	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	...NKE	549
NTDB id 1168 A1552VC RS11070 WP 000957200.1	...NKE	227
NTDB id 1293 VP RS12240 WP 005479695.1	...NKE	227
NTDB id 1401 DSB67 RS12665 WP 010643259.1	...NKE	227
NTDB id 1110 NGFG RS09235 WP 003689817.1	...NKE	217
NTDB id 1251 GC085 RS07725 WP 011946523.1	...NKE	236
NTDB id 22618 PCRYO RS00350 WP 011512444.1	...NKE	231
NTDB id 1058 ABD1 RS01615 WP 001274986.1	...NKE	231
NTDB id 1018 ACIAD RS01685 WP 004920473.1	...NKE	231
consensus	...NKE	

logo

NTDB id 1306 DR RS10060 WP 027479822.1	KGAAQQ	627
NTDB id 1168 A1552VC RS11070 WP 000957200.1	KGAAQQ	306
NTDB id 1293 VP RS12240 WP 005479695.1	KGAAQQ	306
NTDB id 1401 DSB67 RS12665 WP 010643259.1	KGAAQQ	306
NTDB id 1110 NGFG RS09235 WP 003689817.1	KGAAQQ	297
NTDB id 1251 GC085 RS07725 WP 011946523.1	KGAAQQ	315
NTDB id 22618 PCRYO RS00350 WP 011512444.1	KGAAQQ	310
NTDB id 1058 ABD1 RS01615 WP 001274986.1	KGAAQQ	310
NTDB id 1018 ACIAD RS01685 WP 004920473.1	KGAAQQ	310
consensus	KGAAQQ	

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NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 22618 PCRYO RS00350 WP 011512444.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 22618 PCRYO RS00350 WP 011512444.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 22618 PCRY0 RS00350 WP 011512444.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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NTDB id 1306 DR RS10060 WP 027479822.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 22618 PCRY0 RS00350 WP 011512444.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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 non conserved
 similar
 $\geq 50\%$ conserved